



HIGH VOLTAGE HIGH CURRENT OPERATIONAL AMPLIFIERS

Models 150, 160, 170, 180



- 1 AMP OUTPUT CURRENT
- ± 30 VOLT OUTPUT
- 20 kHz FULL POWER BANDWIDTH
- 1 MHz UNITY GAIN BANDWIDTH
- ± 25 VOLT CMV RANGE
- -55°C to $+125^{\circ}\text{C}$ OPERATING RANGE
- -55°C to $+150^{\circ}\text{C}$ STORAGE
- SHORT CIRCUIT PROTECTED
- TO-3 PACKAGE

Model	Characteristics
150	Designed specifically for driving synchros, and reactive loads-output protected with rectifiers for inductive kickback.
160	General purpose operational amplifier for audio applications and programmable power supplies.
170	Commercial grade of Model 160.
180	High voltage operational amplifier.

M. S. Kennedy Corp.

Pickard Drive, Syracuse, New York 13211

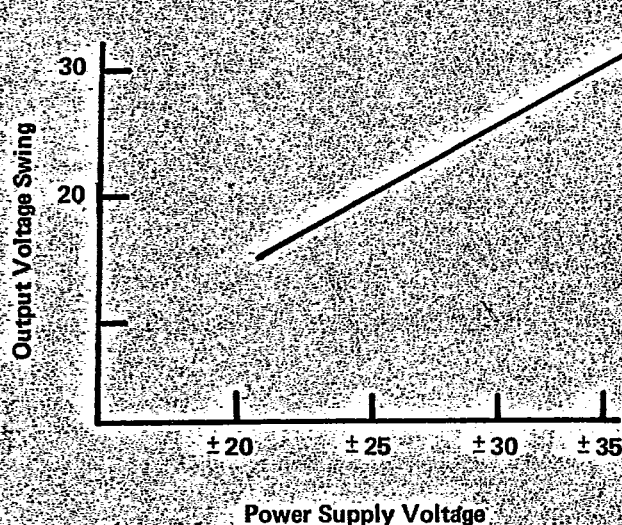
Tel. 315-455-7077

(00150-1)X

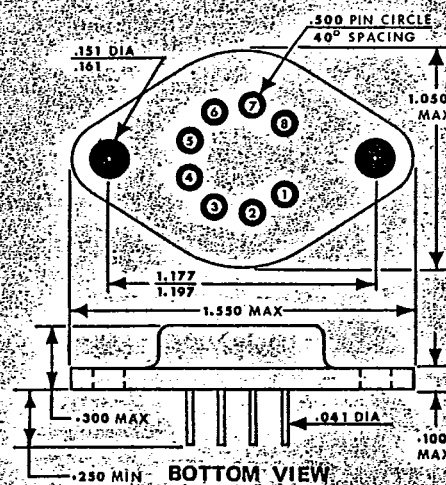
Electrical Specifications

PARAMETER	UNITS	150	160	170	180
VOLTAGE GAIN	V/V	70,000	100,000	50,000	70,000
FULL POWER OUTPUT	kHz	10	20	20	10
UNITY GAIN BANDWIDTH	MHz	1.0	1.0	1.0	1.0
SLEW RATE	V/ μ Sec	2.0	2.0	2.0	2.0
RATED OUTPUT VOLTAGE	Volts	± 20	± 22	± 20	± 30
RATED OUTPUT CURRENT	Amps	1.0	1.0	.75	.75
INPUT BIAS CURRENT	nAmps	40	20	70	20
INPUT OFFSET CURRENT	nAmps	10	3	20	5
INPUT OFFSET VOLTAGE	mV	± 10 adjustable to zero			
DIFFERENTIAL INPUT IMPEDANCE	Mohms	10	10	10	10
COMMON MODE INPUT IMPEDANCE	Mohms	250	250	250	250
COMMON MODE VOLTAGE	Volts	20	22	20	25
COMMON MODE REJECTION RATIO	dB	100	100	100	100
POWER SUPPLY VOLTAGE	Volts	± 28	± 28	± 24	± 36
QUIESCENT CURRENT	mA	25	25	30	25
OPERATING TEMPERATURE RANGE	C $^{\circ}$	-55 to +125	-55 to +125	0 to +70	-55 to +125
STORAGE TEMPERATURE RANGE	C $^{\circ}$	-55 to +150	-55 to +150	-55 to +150	-55 to +150

**OUTPUT VOLTAGE
VS
POWER SUPPLY**

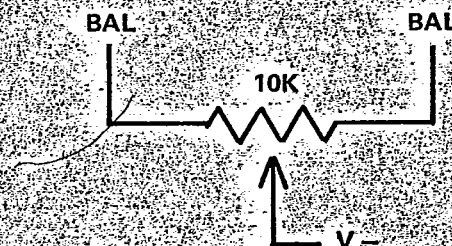


LINE DRAWING



Pin Assignment

1. + IN	3. - Vcc	5. - Vcc	7. BAL
2. BAL	4. OUTPUT	6. + Vcc	8. - IN



MODELS:

150

160

170

180

PRICES:

1-9
10-24

\$69.00
\$66.00

\$69.00
\$66.00

\$59.00
\$56.00

\$75.00
\$71.00

00150-2x